

New York State Department of Environmental Conservation
Division of Materials Management
Albany, New York 12233-7253

2018
REGISTERED OR PERMITTED FACILITY ANNUAL REPORT
COMPOSTING
(DO NOT USE THIS FORM FOR BIOSOLIDS COMPOSTING)
6 NYCRR Part 361-3.2

This annual report is for the year of operation from January 01, 2019 to December 31, 2019

Annual Report Form Due: No Later than March 1, 2020

This form may be used for all composting facilities under section 361-3.2 of the Part 360 series except for biosolids composting. Biosolids composting requires the submission of a different annual report form. Forms for all solid waste management facilities can be found at <http://www.dec.ny.gov/chemical/52706.html>. If you have any questions on this form, please e-mail organicrecycling@dec.ny.gov.

Failure to provide the required information requested is a violation of Environmental Conservation Law. Timely submission of a properly completed form to the Department's Regional Office that has jurisdiction over your facility and to the Department's Central Office is required to meet the Annual Report requirements of 6 NYCRR Part 360 series.

Attach additional sheets if space on the pages is insufficient or supplementary information is required or appropriate.

FACILITY NAME: Community Enterprises LLC. composting

SW FACILITY ACTIVITY NUMBER(S): (Ex. 02P20099) 56005 56P101 - KE

COUNTY WHERE FACILITY IS LOCATED: Ulster

DEC USE ONLY

Region: 3 SWIMS: X
MATRIX: X

Date Reviewed:

Reviewed By:

Data Entered: 12/31/19 - KE

**COMPOST FACILITY ANNUAL REPORT
SECTION 1 – FACILITY INFORMATION**

FACILITY INFORMATION			
FACILITY NAME: Community Enterprises, LLC Composting Facility			
FACILITY LOCATION ADDRESS: 10 Hellbrook Lane	FACILITY CITY: Ulster Park	STATE: NY	ZIP CODE: 12487
FACILITY TOWN: Esopus	FACILITY COUNTY: Ulster	FACILITY PHONE NUMBER: 845-339-6680	
NYSDEC REGION #:			
FACILITY CONTACT: Hans Boller		CONTACT PHONE NUMBER: 845-658-7700	
CONTACT EMAIL ADDRESS: hansboller@ccimail.com			
OWNER INFORMATION			
OWNER NAME: Community Enterprises, LLC	OWNER PHONE NUMBER: 845-658-7700		
OWNER ADDRESS: 101 Woodcrest Drive	OWNER CITY: Rifton	STATE: NY	ZIP CODE: 12471
OWNER CONTACT: Hans Boller	OWNER CONTACT EMAIL ADDRESS: hansboller@ccimail.com		
OPERATOR INFORMATION			
OPERATOR NAME: <input checked="" type="checkbox"/> Same as owner			
PREFERENCES			
Preferred address to receive correspondence: <input type="radio"/> Facility location address <input checked="" type="radio"/> Owner address <input type="radio"/> Other (provide):			
Preferred email address: <input type="radio"/> Facility Contact <input checked="" type="radio"/> Owner Contact <input type="radio"/> Other (provide):			
Preferred individual to receive correspondence: <input type="radio"/> Facility Contact <input checked="" type="radio"/> Owner <input type="radio"/> Owner Contact <input type="radio"/> Other (provide):			
Did you operate in 2019? <input checked="" type="radio"/> Yes; Complete this form. <input type="radio"/> No; Complete and submit Sections 1, 12 and 13. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, please notify the regional office of your intent. See attachment for Regional Office addresses and contacts.			

SECTION 2 – QUANTITY OF MATERIAL RECEIVED

Please report quantities received from January 01, 2019 to December 31, 2019

	Inputs	Quantity	Unit	Source(s)
YARD WASTE	Leaves only	800	Cubic Yards <input type="text" value="v"/>	
	Grass Clippings	60	Cubic Yards <input type="text" value="v"/>	
	Mixture of Grass and Leaves		Choose Units	
	Brush (Small branches and limbs, <4 inch diameter)		Choose Units	
SSO	Source Separated Organics (Food scraps, soiled paper products, etc.)	160	Cubic Yards <input type="text" value="v"/>	
	Food Processing Waste (brewery grains, grape pomace, etc.)		Choose Units	
OTHER	Crop Residues (Corn stalks, etc.)		Choose Units	
	Manure (including bedding)	1,050	Cubic Yards <input type="text" value="v"/>	
	Sawdust/Shavings		Choose Units	
	Animal Carcasses (road-kill, animal mortalities)	56	Tons <input type="text" value="v"/>	
	Paper Mill Residuals	3	Tons <input type="text" value="v"/>	
	Digestate		Choose Units	
	Other: _____		Choose Units	
BULKING AGENT	Woodchips	2,500	Cubic Yards <input type="text" value="v"/>	
	Sawdust		Choose Units	
	Other: _____		Choose Units	

If **PERMITTED** SSO composting facility, continue to Section #5
SSO – Source Separated Organics

ALL OTHER COMPOSTING FACILITIES, continue to Section #9

SECTION 5 – PATHOGEN AND VECTOR ATTRACTION REDUCTION

For permitted SSO composting facilities only. Check one method for each:

Pathogen Reduction 361-3.7(a)

- Windrow Composting
- Aerated Static Pile Composting
- In-vessel Composting
- Other (specify): _____

Vector Attraction Reduction 361-3.7(b)

- 38 % Volatile Solids Reduction
- SOUR
- Aerobic Process 14 days, $\geq 40C$, $\geq 45 C$ avg.

Attach operating and monitoring data to show compliance with methods chosen. Temperature data records should indicate when a pile was created, pile was moved, additional material was added and/or pile was turned.

SECTION 6 – FINISHED COMPOST ANALYSIS

For permitted SSOW composting facilities only. Please attach sampling analyses and laboratory reports as required under Part 360 or your permit. Copies of original laboratory results must be attached. All results, except pH and Total Solids, must be on a dry weight basis. See 361-3.9 Table 6 for pollutant limits and Table 5 for annual product testing frequency 361-3.9 Table 5.

Summarize data in table below or attached document. Print additional pages as needed.

Analysis Date =====>					Max. Conc. (mg/kg)	
Arsenic (mg/kg)					41	
Cadmium (mg/kg)					10	
Chromium (mg/kg)					1,000	
Copper (mg/kg)					1,500	
Lead (mg/kg)					300	
Mercury (mg/kg)					10	
Molybdenum (mg/kg)					40	
Nickel (mg/kg)					200	
Selenium (mg/kg)					100	
Zinc (mg/kg)					2,500	
TKN (mg/kg)						
Ammonia Nitrogen (mg/kg)						
Nitrate (mg/kg)						
Total Phosphorus (mg/kg)						
Total Potassium (mg/kg)						
pH (s.u.)						
Total Solids(%)						
Total Volatile Solids (%)						
Fecal Coliform (MPN/g)						<1,000 MPN/g
Salmonella (MPN/4g)						<3MPN/4g
Other _____						

SECTION 7 –SAMPLE MANAGEMENT PLAN

For permitted SSO composting facilities only. Describe the number, frequency and location of samples taken. Include a diagram showing all sampling locations.

SECTION 8 – ATTACHMENTS (IF REQUIRED)

Permitted SSO composting facilities, please attach:

- Temperature monitoring and detention time data.
- Sample analyses laboratory reports.
- Any additional reporting requirements.

Do you have a variance to the Part 360 permit requirements? Yes No

If yes, please describe:

SECTION 9 – UNAUTHORIZED WASTE

Has unauthorized solid waste been received at the composting facility during the reporting period?

Yes No

If yes, give information below for each incident (attach additional sheets if necessary):

SECTION 10 – PROBLEMS/COMPLAINTS

Describe any operational problems or neighbor complaints arising from the composting operation and include any methods used to remedy the situations. This should include odor complaints, marketing difficulties, major equipment failure, etc.

SECTION 11 – QUESTIONS

Please identify any questions or concerns that you would like the Department to answer or consider:

SECTION 12 – FOOD DONATION & FOOD SCRAPS RECYCLING LAW

If you are registered or permitted to compost food scraps please complete the following. For all other operations that are interested in processing food scraps, please contact your DEC regional office to determine what is required.

In 2019, New York State passed the Food Donation & Food Scraps Recycling law. Effective January 1, 2022, large generators of food scraps (defined as generating an annual average of two tons per week or more) must donate excess food and recycle all remaining food scraps if they are within 25 miles of an organics recycler (composting facility, anaerobic digester, etc.). Examples of large generators include: large restaurants, grocery stores, hotels, colleges, etc. For more information visit: <https://www.dec.ny.gov/chemical/114499.html>

Contact Information

Under this legislation, DEC is responsible for providing a list of organics recyclers (compost facilities, anaerobic digesters, etc.) to large generators so they can determine available food scraps recycling opportunities in their area.

You will be included in this listing if you hold a permit or registration for the composting of source separated organics or food scraps. This will educate both large generators and haulers of food scraps that you are an available composter in their area.

Please provide the following information to include in the listing.

Name of Business: _____

Business Phone Number: _____

Business Email: _____

Business Website: _____

I would like to opt out of DEC listing my facility as an available food scraps recycler for large generators as it relates to the Food Donation and Food Scraps Recycling law.

Assessing Your Food Scraps Recycling Capacity

DEC is responsible for assessing available food scraps recycling capacity across New York State. Information from your operation will help us do this. Please complete the following section to calculate the amount of excess food scraps your operation will have the capability to process in **2022**. Please stay consistent with units (wet tons or cubic yards).

- A. Amount of foods scraps projected to be processed in **2020**: 50 _____ Cubic Yards
- B. Amount of foods scraps projected to be processed in **2022**: 55 _____ Cubic Yards

* Note: You will not be required to process this quantity of material, these estimates will only be used to assist DEC in capacity planning across the state in preparation for the Food Donation and Food Scraps Recycling law effective January 1, 2022.

Questions?

DEC USE ONLY
Excess Capacity:

SECTION 13 - CERTIFICATION

The Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

**NYS Department of Environmental Conservation
Bureau of Waste Reduction and Recycling – Annual Report
625 Broadway – 9th Floor
Albany, New York 12233-7253**

Phone: 518-402-8706

Fax 518-402-9024

Email address: organicrecycling@dec.ny.gov

I certify, under penalty of law, that the information that will be used to determine compliance with the requirements in Subpart 361-3 of 6 NYCRR Part 361 has been prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that false statement made herein are punishable pursuant to section 210.45 of the penal law.

H. Boller
Signature

12/13/19
Date

Hans Boller
Name (Print)

Authorized Agent
Title (Print)

hansboller@aimgail.com
Email (Print)

100 Woodrat Drive
Address

Pitts
City

NY 12471
State and Zip

(845) 658-7700
Phone Number

ATTACHMENTS: NO YES (IF YES, LIST ATTACHMENTS)

- Lab report
- Pile Recipe
- _____

WALLACE LABS
365 Coral Circle
El Segundo, CA 90245
(310) 615-0116

MEDIA REPORT

Print Date Nov. 13, 2019
 Location Community Enterprises, Plum Village Composting
 Requester Tim Glanzer

Receive Date 11/12/19

Location
 Requester
 graphic interpretation * very low, ** low, *** moderate

**** high, ***** very high

ammonium bicarbonate/DTPA

extractable - mg/kg soil
 Interpretation of data
 low medium high
 0 - 12 16 - 28 32 - 44
 0-240 240-500 500-700
 0- 12 12- 20 over 20
 0 - 2 3 - 4 over 5
 0 - 4 4 - 6 over 6
 0- 0.5 0.6 - 1 over 1
 0 - 1 1 - 2 over 2

Sample ID Number
 Sample Description

elements

phosphorus
 potassium
 iron
 manganese
 zinc
 copper
 boron

calcium
 magnesium
 sodium
 sulfur
 molybdenum
 nickel

The following trace elements may be toxic
 The degree of toxicity depends upon the pH of the soil, soil texture, organic matter, and the concentrations of the individual elements as well as to their interactions

aluminum
 arsenic
 barium
 cadmium
 chromium
 cobalt
 lead
 lithium
 mercury
 selenium
 silver
 strontium
 tin
 vanadium

The pH optimum depends upon soil organic matter and soil content-

under 5 may be too acidic
 6 to 7 may be good
 over 8.0 is too alkaline

Saturation Extract

pH value

E_{Ce} (milli-mho/cm)

The E_{Ce} is a measure of the media salinity:
 good at 200 ppm
 good at 25 ppm

good at 25 ppm
 good at 150 ppm

problems over 150 ppm
 good at 100 ppm
 good at 40 ppm
 toxic over 800

calcium
 magnesium
 sodium
 ammonium as N
 potassium
 cation sum
 chloride
 nitrate as N
 phosphorus as P
 sulfate as S
 anion sum

toxic over 1 for many plants
 increasing problems start at 3
 est. gypsum requirement-lbs./cubic yard

boron as B

SAR

Total Nitrogen, dry weight basis
 Total Carbon, dry weight basis
 Carbon:Nitrogen Ratio
 lime (calcium carbonate)
 organic matter, dry weight basis
 moisture content of media
 half saturation percentage

19-317-02
 Pile No. 27, Made Compost on 5/25/19

graphic
 618.59 *****
 4,486.33 *****
 329.83 *****
 154.94 *****
 71.95 *****
 10.68 *****
 2.73 ****
 2,602.90 *****
 1,093.85 *****
 430.31 ***
 132.91 **
 0.54 ****
 0.62 *
 nd *
 1.16 *
 0.99 *
 0.26 *
 0.13 *
 0.38 *
 18.52 **
 0.93 *
 nd *
 nd *
 nd *
 3.46 *
 nd *
 1.10 *

7.76 ****
 2.41 ****

millieq/l
 98.7 4.9
 25.1 2.1
 59.7 2.6
 39.2 2.8
 500.8 12.8
 25.2
 441 12.4
 82.2 5.9
 8.0 0.3
 76.3 4.8
 23.3

0.17 *
 1.4 *
 18

1.47%
 21.25%
 14.4
 no
 42.50%
 175.1%
 158.1%

19-317-03
 Pile No. 32, Made Compost on 10/08/19

graphic
 577.51 *****
 4,134.84 *****
 320.55 *****
 76.07 *****
 70.64 *****
 9.43 *****
 2.00 ***
 2,985.79 *****
 1,110.37 *****
 429.04 ***
 86.22 *
 0.20 ***
 0.53 *
 nd *
 0.95 *
 1.05 *
 0.19 *
 nd *
 0.32 *
 13.24 **
 1.14 *
 nd *
 nd *
 nd *
 3.82 *
 nd *
 0.99 *

7.60 ****
 1.50 ***

millieq/l
 46.6 2.3
 19.3 1.6
 48.9 2.1
 1.6 0.1
 356.4 9.1
 15.3
 224 6.3
 6.2 0.4
 21.0 0.7
 24.2 1.5
 8.9

0.21 **
 1.5 **
 18

1.56%
 24.59%
 15.7
 no
 49.18%
 188.7%
 172.6%

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
 pH and E_{Ce} are measured in a saturation paste extract. nd means not detected.

Comments / Observations

Recipe

Recipe for Plum Village Pile no.32 08/27/19

- 1. ground Chips 2.5 yards**
- 2. Chicken Shit 2 yards**
- 3. Gut Rut chips 5 yards**
- 4. Ground Wood chicps 2.5 yards**
- 5. Horse Shit 5 yards**
- 6. Cow shit 2.5 yards**
- 7. Leaves 2 yards**
- 8. Grass Clippings 5 yards**
- 9. Food Scraps 2 yds**

26 yards per mix pile

Ground Chips	5 parts	19.23%
cow shit	8/27/2019 -- 2.5 parts	8.62%
Grass Clippings	5 parts	19.23%
horse shit	5 parts	19.23%
leaves	2.0 parts	07.70%
gut rut chips	5 parts	19.23%
Chicken Shit	2.0 parts	07.70%
Food Scrapes	2.0 parts	07.70%

Weight per yard ----- 1,140 lbs

Empty Bucket weight---2.3 lbs

Mix material -----28.20 lbs

Mix with water added --47.60 lbs

Porosity Free air space --44.70%

This Pile has 770 yards of material

41 Jaylor Loads loads 17.5 yards per load

Made pile on 08/27/19

Moved Pile on 10/08/19